No.



200100266

TO ALL TO WHOM THESE PRESENTS SHALL COME; United States Department of Agriculture; Agricultural Research Serbice and The Andersity of Aebraska – Dincoln

LECTRIS. THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

An application requesting a certificate of protection for an alleged distinct variety of sexually REPRODUCED, OR TUBER PROPAGATED PEANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS from selling the variety, or offering it for sale, or reproducing it, or importing it, or exporting it, ONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN ING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY TON ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A TTFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF STAT: 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

WHEAT, COMMON

'Nuplains'

In Jestimon Thereof, I have hereunto set my hand and caused the seal of the Hant Dariety Hericitism Pities to be affixed at the City of Washington, D.C. this eighteenth day of April, in

Plant Variety Protection Office

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) ar. the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

i. NAME OF OWNER United States Department Agricultural Research Ser The University of Nebros	2. TEMPORARY DESIGN EXPERIMENTAL NAM N94L205	L NAME			
4. ADDRESS (Street and No., or R.F.D. No., City,		5. TELEPHONE (include a			
DR. R. A. GRAYBOSCH USDA/ARS, 344 KEIM HALL		402-472-1563		FOR OFFICIAL USE ONLY PVPO NUMBER	
UNIVERSITY OF NEBRASKA P.O. BOX 830937 LINCOLN, NE 68583-0937		6. FAX (include area code) 402-472-4020		200100266	
7. IF THE OWNER NAMED IS NOT A "PERSON", ORGANIZATION (corporation, partnership, assocut-s). COVERNMENT		INCORPORATED, GIVE TATE OF INCORPORATION	9. DATE OF INCORPORAT	TION	FILING DATE August 28, 200
10. NAME AND ADDRESS OF OWNER REPRESEN	TATIVE(S) TO SERVE IN THIS APPLI	CATION. (First person listed will re	ceive all papers)		FILING AND EXAMINATION FEES:
DR. R. A. GRAYBOSCH USDA/ARS, 344 KEIM HALL UNIVERSITY OF NEBRASKA P.O. BOX 830937 LINCOLN, NE 68583-0937			·		S 2705.00  DATE 8/28/01  CERTIFICATION FEE:  320  DATE 11/2/02
11. TELEPHONE (Include area code) 12. F.	AX (include area code)	13. E-MAIL	<del></del> -	14. CROP	KIND (Common Name)
402-472-1563	402-472-4020	RAC@UNLSERVE.UN			
15. GENUS AND SPECIES NAME OF CROP		16. FAMILY NAME (Botanical	)	17. IS THE	VARIETY A FIRST GENERATION
Triticum aestivun		Triticeae			YES NO
18. CHECK APPROPRIATE BOX FOR EACH ATTACH reverse)  a. Exhibit A. Origin and Breeding History of b. Exhibit B. Statement of Distinctness Exhibit C. Objective Description of Variet d. Exhibit D. Additional Description of the V Exhibit E. Statement of the Basis of the C verification that tissue culture will be deporepository)  g. Filing and Examination Fee (\$2,705), mag States* (Mail to the Plant Variety Protection	the Variety  y  ariety (Optional)  owner's Ownership  seeds or, for tuber propagated varieties sited and maintained in an approved put  e payable to "Treasurer of the United n Office)	20. DOES THE OW VARIETY BE LI IF YES, WHICH VARIETY BE LI IF YES, SPECIF NUMBER 1,2,3, (If additional exp	S (If 'yes', enswer items 20 and 21 below)  NER SPECIFY THAT SEED OF CLASSES?  FOUNDA  NER SPECIFY THAT SEED OF CLASSES?  FOUNDA  NER SPECIFY THAT SEED OF CHASSES OF	FTHIS LASSES? TION TION THE ENERATIONS IN THE INTERIOR INTER	NO (II no., go to item 22)  YES NO  REGISTERED TO CERTIFIED  REGISTERED TO CERTIFIED  REGISTERED TO CERTIFIED
22. HAS THE VARIETY (INCLUDING ANY HARVESTED FROM THIS VARIETY BEEN SOLD, DISPOSED OF OTHER COUNTRIES?  L. YES Sept. 7, 2000  IF YES, YOU MUST PROVIDE THE DATE OF FIRST FOR EACH COUNTRY AND THE CIRCUMSTANCE	☐ YES	23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)?  YES NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			
24. The owners declare that a viable sample of basic see for a luber propagated variety a tissue culture will be The undersigned owner(s) is(are) the owner of this se and is entitled to protection under the provisions of Se Owner(s) is(are) informed that false representation he	d of the variety will be furnished with ap leposited in a public repository and mix xually reproduced or tuber propagated ction 42 of the Plant Variety Protection	oplication and will be replenished up aintained for the duration of the cer plant variety, and betieve(s) that if Act.	oon request in accordance with	such regulat	ions as may be applicable, or
Robert Hoyl	rech	SIGNATURE OF OWN	NER '		
NAME (Please print or type)  ROBERT A. CRAYBOSCH	· .	NAME (Please print or	type)		
CAPACITY OR TITLE  RESEARCH GENETICIST	DATE 7-23-01	CAPACITY OR TITLE			DATE
5&T-470 (04-01) designed by the Plant Vanety Protection Offi	ce with WordPerfect 6.0a. Replaces S	TD-470 (02-99) which is obsolete.	(See reverse for instruc	tions and info	mation collection burden statement.

**Exhibit A**: PVP Application 200100266, hard white wheat 'Nuplains'. Exhibit modified 2/15/2002. Additions in **bold**.

Nuplains was selected from the cross 'Abilene'/KS831872 made in 1987. The pedigree of KS831872 is 'Plainsman V'//'Newton'/'Arthur 71' high protein selection. Nuplains is an  $F_5$ -derived line from a single head reselection of an  $F_3$  derived line (N92L207) that resulted from a single plant selected in 1990. Nuplains was selected in the  $F_6$  as a headrow and given the experimental line number N94L205 in 1994. Breeder seed of Nuplains originates from a composite of twenty-eight  $F_9$  derived headrows which were selected for uniformity in plant type and white grain color in 1998. Nuplains has been observed to be genetically uniform and stable over eight generations. During reproduction and multiplication, Nuplains was observed to carry variants with red grain color. These variants occur at a frequency of 0.7%, and may be recognized either by visual inspection of the seed, or by staining seed with dilute solutions of sodium or potassium hydroxide. Under such conditions, red grain will turn black, while white grain will retain its original color.



Research, Education, and Economics Agricultural Research Service

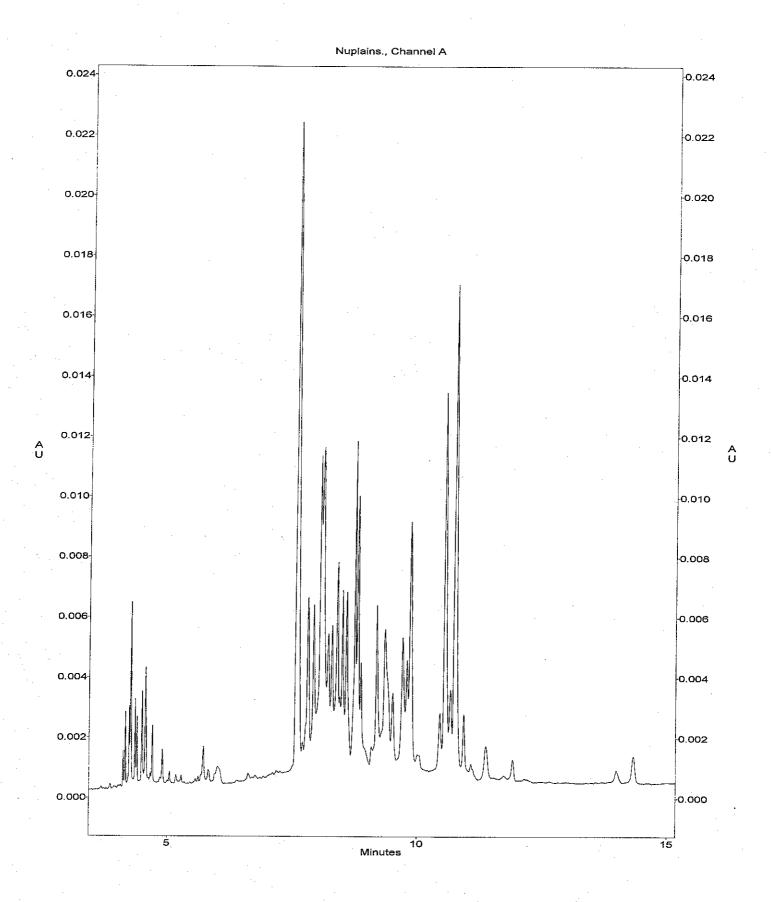
Exhibit B: Statement of Distinctness - 'Nuplains' hard white winter wheat

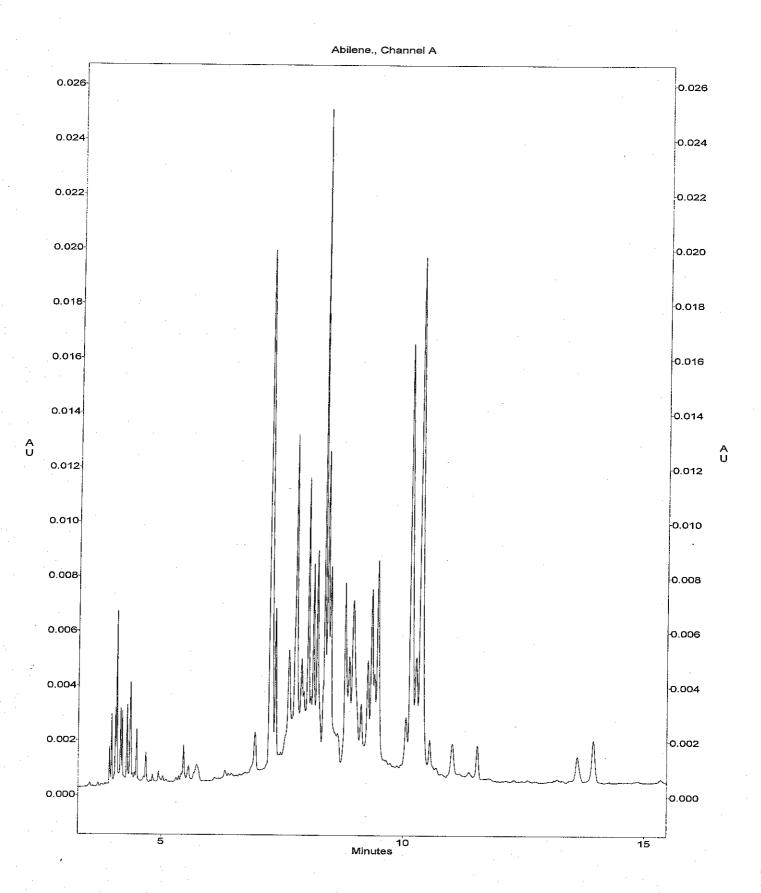
Nuplains is most similar to the hard red winter wheat cultivar 'Abilene'. Nuplains differs from Abilene in that it has white grain color, rather than red. It also is taller by an average of 9 cm. In northern Great Plains environments, Nuplains also reaches anthesis 3 days later (measured in number of days from 1/1) than Abilene. Finally, gliadin grain protein patterns of Nuplains, as determined by capillary-electrophoresis, are distinct from those of Abilene. Representative patterns are attached.

Robert Graybosch

Research Geneticist

Rabut Graylorch





~

REPRODUCE LOCALLY. Include form number and date on all reproductions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this collection of information is (0581-0055). The time required to complete this information collection is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact the USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE SCIENCE AND TECHNOLOGY. PLANT VARIETY PROTECTION OFFICE BELTSVIELE, MD 20705

### **OBJECTIVE DESCRIPTION OF VARIETY** WHEAT (Triticum spp.)

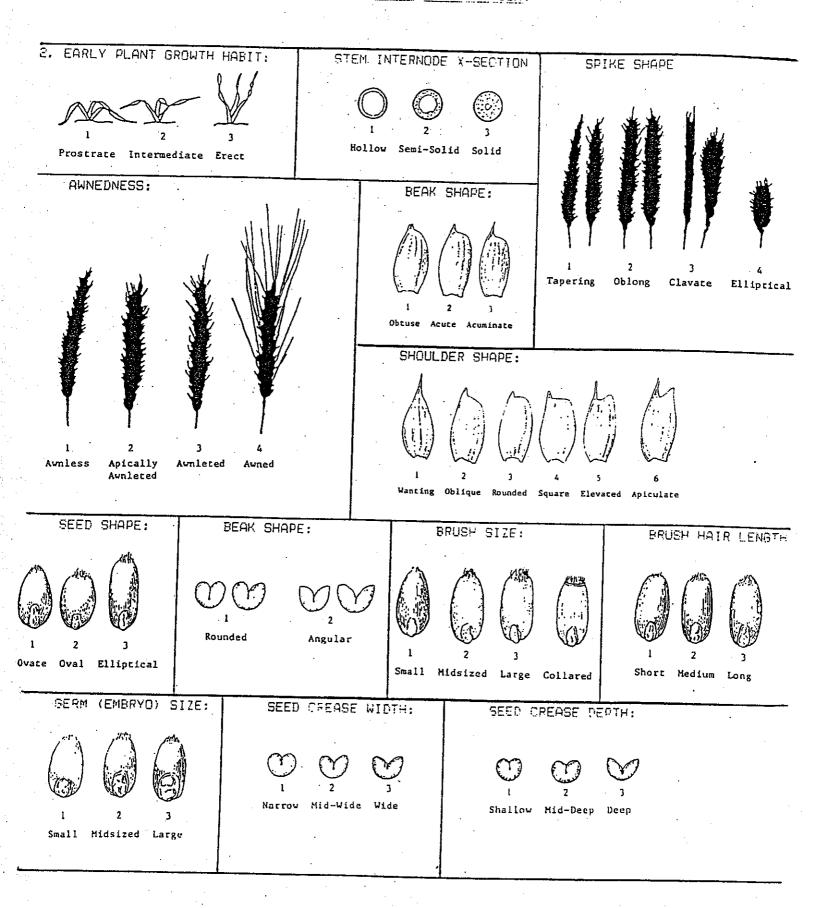
	<u> </u>	<u> </u>				
NAME OF APPLICANT(S)				FOR OFFICIAL USE ONLY		
		·		PVPO NUMBER		
ADDRESS (Street and No. or RD)	No., City, State, and Zip Code)			20010	99200	
÷				VARIETY NAME		
				Nuplains		
				TEMPORARY OR EXPERIMENT	AL DESIGNATION	
minimum of 100 plants. Coused to determine plant colo	STRUCTIONS CAREFULLY: (e.g. 0 9 9 9 or 0 9 ) whomparative data should be deterring; designate system used: for your variety; lack of response	ten number is either 99 or less or nined from varieties entered in the	9 or less respectively. Done same trial. Royal Hort	ata for quantitative plant characte	ers should be based on a	
1. KIND:			•			
1	1=Common	2=Durum	3=Club	4=Other (	SPECIFY):	
2. VERNALIZATIO	ON:					
2	1=Spring	2=Winter	3=Other (S	PECIFY):	· · · · · · · · · · · · · · · · · · ·	
3. COLEOPTILE A	NTHOCYANIN:		•			
1	1=Absent	2=Present	. •			
4. JUVENILE PLAN	T GROWTH:					
1	1=Prostrate	2=Semi-erect	3=Erect			
5. PLANT COLOR	(boot stage):					
2 3	1 = Yellow-Green	2 = Green	3 = Blue-Gre	een	• •	
6. FLAG LEAF (boo	t stage):					
2	1 = Erect	2 = Recurved	1	1 = Not Twisted	2 = Twisted	
7. EAR EMERGENCE:						
	Number of Days Earl	ier Than		· · · · · · · · · · · · · · · · · · ·	*	
0 3	Number of Days Late	r Than Abi	ilene		*	
	•				•	

*		• •	120010026
8. ANTHER COLOR:			
	1 = Yellow 2 = Pur	ple	
9. PLANT HEIGHT (fr	om soil to top of head, excluding a	iwns):	
9	cm Taller Than <u>Abilene</u>		·*
	cm Shorter Than		*
		* Relative to a PVPO-Approved Commerc	ial Variety Grown in the Same T
10. STEM:			
A. ANTHOCYA	NIN	D. INTERNODE (SPECIFY NUMBI	ER)
1 = Absen	t 2=Present	1 Hollow 2=Semi-solid	3=Solid
B. WAXY BLOC	OM .	E. PEDUNCLE	
2 1=Absent	2=Present	2 1=Absent 2=Present	
C. HAIRINESS	(last internode of rachis)	cm Length	
2 1=Absent	2=Present		
11. HEAD (at Maturity):			•
A. DENSITY		C. CURVATURE	•
2 1=Lax 3= Dense	2=Middense	3 1 = Erect 2 = Inclined	3 = Recurved
B. SHAPE		D. AWNEDNESS	
$ \begin{array}{ c c } \hline 4 & 1 = \text{Taperin} \\ 3 = \text{Clavate} \end{array} $		$ \begin{array}{ c c c c } \hline 4 & 1 = A \text{ wnless} & 2 = A \text{ pically A} \\ 3 = A \text{ wnletted} & 4 = A \text{ wned} \end{array} $	wnletted
	_oblong		.*
12. GLUMES (at Maturity	):		
A. COLOR		C. BEAK	
1 = White	2 = Tan	$\begin{array}{ c c c c }\hline 3 & 1 = Obtuse & 2 = Ac \\ \hline \end{array}$	ute
3 = Other (S	SPECIFY) :	3 =Acuminate	
B. SHOULDER	•	D. LENGTH	
3 = Wanting 3 = Rounded 5 = Elevated	4 = Square	$ \begin{array}{c cccc} \hline 3 & 1 = Short & 2 = Me \\ & (ca. 7mm) & (ca. 3 = Long (ca. 9mm) \end{array} $	dium . 8mm)

12. GLUMES (at Maturity) Continued:	-			200	100266
E. WIDTH				,	
1 = Narrow (ca. 3mm) 2 = Medium 3 = Wide (ca. 4mm)	n (ca. 3.5mn	n)			·
13. SEED:					
A. SHAPE	*.	C. BR	RUSH		
$\boxed{1}  1 = \text{Ovate} \qquad 2 = \text{Oval} \qquad 3 = 3$	Elliptical	2	1=Short	2=Medium	3=Long
		1	1 = Not Collared	2 = Collared	
B. CHEEK		D. CR	EASE		
1 1=Rounded 2=Angular		1	1 = Width 60% or less o 2 = Width 80% or less o 3 = Width Nearly as Wid	f Kernel	
		1	1 = Depth 20% or less of 2 = Depth 35% or less of 3 = Depth 50% or less of	Kernel	:
E. Color	•	G. PH	ENOL REACTION (see	instructions):	
1=White 2= Amber 3= Ro 4= OTHER (Specify)	ed ,		1 = Ivory 3 = Light Brown 5 = Black	2 = Fawn 4 = Dark Brown	
F. TEXTURE					
1=Hard 2=Soft	·				
4. DISEASE: (0=Not Tested; 1=Susceptible;	2=Resista	nt; 3=	Intermediate; 4=Tole	rant)	
PLEASE INDICATE TH	IE SPECIF	IC RAC	E OR STRAIN TESTED		
2 Stem Rust (Puccinia graminis f. sp. tritic	ci)	3	Leaf Rust (Puccinia reco	ndita f. sp. tritici)	
Stripe Rust (Puccinia striiformis)		1	Loose Smut (Ustilago trit	ici)	
Tan Spot (Pyrenophora tritici-repentis)	-[	] 1	Flag Smut <i>(Urocystis agro</i>	opyri)	· · · · ·
Halo Spot (Selenophoma donacis)	[		Common Bunt <i>(Tilletia tr</i>	itici or T. laevis)	
Septoria nodorum (Glume Blotch)	[	I	Owarf Bunt <i>(Tilletia cont</i>	roversa)	
Septoria avenae (Speckled Leaf Disease)	[	ŀ	Karnal Bunt <i>(Tilletia indi</i>	ca)	
Septoria tritici (Speckled Leaf Blotch)		P	owdery Mildew <i>(Erysiph</i>	ne graminis f. sp. tr	itici)
Scab (Fusarium spp.)	[	"	Snow Molds"		

14.	Disease (Continued)	(0=Not Tested;	1=Susceptible;	2=Resistant;	3=Intermediate;	4=Tolerant)
		PLEASE IN	DICATE THE SPI		OR STRAIN TEST	
	"Black Point"	(Kernel Smudge)			Root Rot (Fusarium	
٠.	Barley Yellow	Owarf Virus (BYDV	7)		ia Root Rot <i>(Rhizod</i>	tonia solani)
	Soilborne Mosa	ic Virus (SBMV)		Black Cha	iff (Xanthomonas ca	mpestris pv. translucens)
	Wheat Yellow (	Spindle Streak) Mos	aic Virus	Bacterial J syringae)	Leaf Blight <i>(Pseudo</i>	monas syringae pv.
	Wheat Streak M	losaic Virus (WSM)	v)	Other (SP	ECIFY)	
	Other (SPECIF	Y)		Other (SP	ECIFY)	
	Other (SPECIF	<b>Y)</b>		Other (SP)	ECIFY)	
	Other (SPECIF	x)		Other (SP)	ECIFY)	
15. IN	SECT: (0=Not Tested	l; 1=Susceptible;	2=Resistant;	3=Intermediat	te; 4=Tolerant)	
	•	PLEASE S	PECIFY BIOTYPI		•	
	Hessian Fly (May			Other (SPE		
• •	Stem Sawfly (Cep	hus spp.)		Other (SPE	CIFY)	
	Cereal Leaf Beetle	e (Oulema melanopa		Other (SPE	CIFY)	•
•	Russian Aphid (1	Diuraphis noxia		Other (SPE	CIFY)	
	Greenbug (Schiza	ohis graminum)		Other (SPE	CIFY)	
·	Aphids			Other (SPE	CIFY)	
6. Doe loning a	s the variety contain any ge and genetic transformation?	netic material introd ( <i>I.e.</i> "genetic transi	luced (into this var formation")?	iety or a paren	it) using the biotech	nology techniques of
	Yes X No	•			· · · · · · · · · · · · · · · · · · ·	·
7. ADI	DITIONAL INFORMATIO	N ON ANY ITEM A	BOVE, OR GENE	RAL COMME	ENTS	

## WHEAT DESCRIPTOR ILLUSTRATIONS



## Exhibit D. Additional description of the variety

Nuplains is an awned, white-glumed, semidwarf cultivar with straw strength superior to 'Arapahoe'. Plant height of Nuplains has averaged 3 cm shorter than '2137' and 10 cm shorter than Arapahoe. It has a short coleoptile, similar to 'Jagger' and 'TAM 107'. Winterhardiness is adequate for Nebraska growing conditions; less than 'Alliance' and Arapahoe, similar or slightly less than 'Karl 92', but superior to 'Oro Blanco', 'Rio Blanco' and Jagger. Nuplains is a medium maturing cultivar under Nebraska conditions, with heading date averaging 2 to 3 days earlier than Arapahoe.

Nuplains has exhibited adult-plant and seedling resistance to stem rust (caused by *Puccinia graminis Pers.*: *Pers.*) based on seedling and field tests conducted by the USDA Cereal Disease Laboratory. Nuplains is moderately susceptible to current races of leaf rust (caused by *Puccinia recondita Roberge ex Desmaz.*) and is susceptible to soilborne mosaic virus, wheat streak mosaic virus, the Great Plains biotype of Hessian fly ((*Mayetiola destructor (Say)*), and the Russian wheat aphid (*Diuraphia noxia (Mordvilko*)).

Nuplains was tested in Nebraska breeding nurseries starting in 1994 and in the Western Plains Regional Performance Nursery in 1998. It was tested in the Nebraska Fall Sown Cereal Variety Trials statewide in 1998 and 1999. In 30 site-years of Nebraska state variety trials, grain yield of Nuplains averaged 4149 kg ha<sup>-1</sup>, similar to that for Arapahoe at 4129 kg ha<sup>-1</sup>, but less than 2137 at 4539 kg ha<sup>-1</sup>. Test weight of Nuplains averaged 777 kg m<sup>-3</sup>, compared with 755 kg m<sup>-3</sup> for Arapahoe and 769 kg m<sup>-3</sup> for 2137. Nuplains appears to be best suited for dryland production areas in south central and southwest Nebraska and to similar production areas in adjacent states. It has also shown promise for use in irrigated production systems in southwest and western Nebraska.

The milling and baking properties of Nuplains were determined by the Nebraska Wheat Quality Laboratory and by the USDA-ARS Grain Marketing and Production Research Center at Manhattan, KS. Grain protein content of Nuplains has been similar to Arapahoe. Nuplains has mellow dough mixing properties, similar to its parent Abilene, with acceptable mixing tolerance. On average, mixing time and tolerance ratings were slightly lower than those for Arapahoe. Bake absorption of Nuplains has been higher than for Arapahoe. Loaf volume, internal, and external loaf appearance have been equal or superior to Arapahoe, suggesting acceptable bread quality characteristics. Nuplains was evaluated by commercial milling and baking companies through the Wheat Quality Council in 1998-99. It was found to have acceptable end-use quality for commercial bread applications and was generally rated as similar to 'Scout 66' in dough handling characteristics and baking performance.

Nuplains was evaluated for use in Asian noodle products by the Wheat Marketing Center, Portland, OR. In Taiwanese raw and Hokkien style noodle evaluations,

Nuplains has received acceptable ratings for dough handling, machining properties, and noodle texture. Noodle color ratings for Nuplains varied, but were generally considered as less than desirable due to discoloration after 24 hrs of storage. Nuplains has been shown to have intermediate levels of Polyphenol Oxidase activity, higher than 'Platte', but less than 'Arlin'.

Grain samples from 1997 and 1998 were provided to USDA-GIPSA for classification purposes. Grain color of Nuplains was considered as acceptable for the hard white wheat class. Nuplains possesses an intermediate level of resistance to weather-induced pre-harvest sprouting. Falling number evaluations conducted on grain samples from 13 Nebraska locations in 1999 showed that Nuplains has superior sprouting resistance compared with the hard white wheats 'Betty' and Arlin. Sprouting resistance of Nuplains was considered comparable to Rio Blanco and 'Trego', but less than resistance observed among hard red winter wheat varieties such as Arapahoe or 2137.

The Breeder seed class of Nuplains will be maintained by the Nebraska Foundation Seed Division, Department of Agronomy, University of Nebraska-Lincoln, Lincoln, NE 68583. Other recognized seed classes are Foundation, Registered, and Certified as per AOSCA standards. By agreement, the Nebraska Seed Certification procedures provide that the Registered seed class is nonsaleable. Nuplains will be submitted for registration and U.S. Plant Variety Protection under Public Law 10577 with the certification (Title V) option. Seed of Nuplains has been deposited in the USDA National Small Grains Collection, Aberdeen, Idaho. It is requested that the source of this material be acknowledged in future usage by wheat breeding and genetics programs.

# PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

- 1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
- 3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to compete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing date sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political ballefs, and marital or familial status. USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a comptaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal

STD-470-E (07-97) (Destroy previous editions).

Electronic version designed using WordPerfect InForms by USDA-AMS-IMB.